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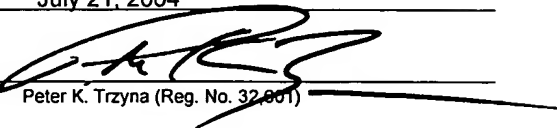
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PATENT

Paper No.

File: Greene-P1-03

Date: July 21, 2004

Signed: 
Peter K. Trzyna (Reg. No. 32,601)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	REES, Frank L.
Serial No.	:	10/722,648
Filed	:	November 25, 2003
For	:	Gauss-Rees Parametric Ultrawideband System
Group Art Unit	:	2643
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO Form 1449; and
3. Cited Art.


APPLICANT CLAIMS SMALL ENTITY STATUS The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

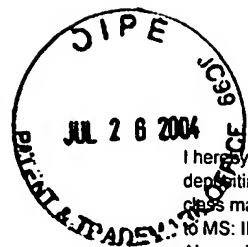
Respectfully submitted,

Date: July 21, 2004

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Chicago, IL 60680-7131
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Peter K. Trzyna
(Reg. No. 32,601)



I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: IDS, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

PATENT

Paper No.

File: Greene-P1-03

Date: July 21, 2004

Signed: 

Peter K. Trzyna (Reg. No. 32,604)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	REES, Frank L.
Serial No.	:	10/722,648
Filed	:	November 25, 2003
For	:	Gauss-Rees Parametric Ultrawideband System
Group Art Unit	:	2643
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. § 1.56 and § 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

I. COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

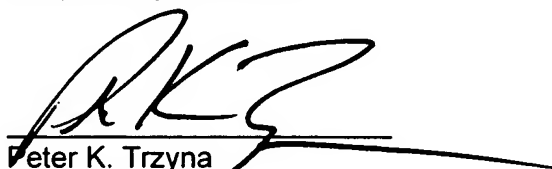
II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,


Peter K. Trzyna
(Reg. No. 32,601)

Date: July 21, 2004

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Form PTO-1449 (modified)

Atty. Docket No. Greene-P1-03

Serial No.
10/722,648

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

Applicant: Frank L. Rees

Filing Date:
November 25, 2003Group:
2574

(Use several sheets if necessary)

U.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page*Other Art
See Pages 1-2

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"An Intensive Short Course on NonLinear Acoustics and Parametric Sonar", <i>Sheraton Motor Inn</i> , December 3-6, 1974, Pgs. 1-618
	C2	"Parametric Acoustic Array", <i>Peter J. Westervelt</i> , The Journal of the Acoustical Society of America, April, 1963, Vol. 35, No. 4, Pgs. 535-537
	C3	"Fairfield Performance of parametric Transmitters", <i>Berklay, H.O., Leahy, D.J.</i> , Pgs. 539-546
	C4	"Possible Exploitation of Non-Linear Acoustics In Underwater Transmitting Applications," <i>Berklay, H.O.</i> , April 13, 1965, Vol. 2, Pgs. 435-461
	C5	"Some Proposals for Underwater transmitting Applications of Non-Linear Acoustics," <i>Berklay, H.O.</i> , 1967, Vol. 6, Pgs. 244-253
	C6	"A Model for Parametric Sonar Radiator Design," <i>Mellen, R.H., and Moffett, M.B.</i> , U.S. Navy Journal of Underwater Acoustics, April, 1972, Vol. 22, No. 2, Pgs. 105-116
	C7	"On the Performance of a Dual Frequency Parametric Source Via Matched Asymptotic Solutions of Burgers," <i>Fenlon, Francis Hugh</i> , Journal of the Acoustic Society of America, January, 1974, Vol. 55, No. 1.
	C8	"Harmonics of the Difference Frequency in Saturation-Limited Parametric Sources," <i>Hillette, John G, and Moffett, Mark.</i> , August, 1975, 12 pages

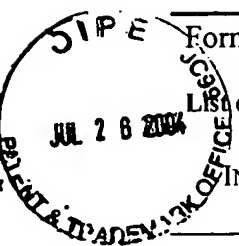
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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(GREENE-P1-03.1449.DOC)



Form PTO-1449 (modified)		Atty. Docket No. Greene-P1-03	Serial No. 10/722,648
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT		Applicant: Frank L. Rees	
		Filing Date: November 25, 2003	Group: 2574
(Use several sheets if necessary)			
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>		Other Art <i>See Pages 1-2</i>

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C9	"A General Theory for the Scattering of Sound By Sound," <i>Woodsum, H.C. and Westervelt, P.J.</i> , Journal of Sound and Vibration, 1981, 76(2), Pgs. 179-181
	C10	"Nonlinear Equations of Acoustics, with Application to Parametric Acoustic Arrays," <i>Tjotta, Jacqueline Naze and Tjotta, Sigve</i> , Journal of the Acoustic Society of America, June, 1981 69(6), Pgs. 1644-1678
	C11	"An Ultrasonic Transducer for High Power Applications in Gases," <i>J.A. Gallego-Juarez et al</i> , November 29, 1977, 5 pages
	C12	Propagation of Finite-amplitude Ultrasonic Waves in Air-I. Spherically Diverging Waves in the Free Field," <i>J.A. Gallego-Juarez et al</i> , Journal of the Acoustic Society of America, March, 1983, 73(3), Pgs. 761-767
	C13	Propagation of Finite-amplitude Ultrasonic Waves in Air-II. Plane Waves in a Tube," <i>J.A. Gallego-Juarez et al</i> , Journal of the Acoustic Society of America, March, 1983, 73(3), Pgs. 768-773
	C14	"Acoustic Analogues of Nonlinear-Optics Phenomena," <i>Bunkin, F.v., et al.</i> , Sov. Phys: USA.29 (7), July, 1986, Pgs. 607-619
	C15	"Nonlinear Effects in Focused Sound Beams," <i>Hart, Timothy S. et al.</i> , Journal of the Acoustic Society of America, October 1988, 84(4), Pgs. 1488-1496
	C16	"Non-linear Effects of Acoustic Generation in Solids," <i>Abramov, O.V. et al.</i> , Institute of Solid State Physics, June 14, 1989, 7 pages
	C17	"Nonlinear Acoustics," <i>Beyer, Robert T.</i> , February 14, 1974, Pgs. iii-212
	C18	"The Sound Laser," <i>Zimmer, Carl</i> , Discover, July 1994, 1 page
	C19	"Acoustic Analogues of Nonlinear-Optics Phenomena," <i>Bunkin, F.V.</i> , Sov. Phys: Usp 20(7), July, 1988, Pg. 507
	C20	"A Focused Beam of Amplified, Coherent Sound Waves," Washington Group Company, 2 pages

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468FREELING-P1-99)